

4 Project completion time: 49 weeks

6	Activity	ES	EF	LS	L.S-	Slack (LF-EF)
6)		0	5	0	5	0
	11			31	35	26
	A	5	9	31		. 🔿
	B	5	15	5	15	
	C	5	12	23	30	18
	D	9	14	35	40	. 26
	E	17	20	40	43	23
	F	20	26	43	49	23
	Cr	15	17	38	40	23
	Н	15	31	15	31	0
	I	31	35	40	44	9
	J	31	39	31	39	
	k	39	44	39	44	-0
	L	12	21	30	39	18
	\sim	39	49	39	49	٥

c) les, activity I can be delayed without delaying the project completion time.

activity I is non-crutical and has slack=9 weeks.

& Savings = 9 week x \$ 2500 = \$ 22500 (Ans)

- d) Total dolay = 2+5 = 7 weeks.

 Activity F has slack = 23 weeks.
 - So, even a 7 week delay will not affect the project completion time.
- e) Activity M is on the critical path and has slack . O.
- Incheasing its duration by Eweeks will increase total
 - 1. New completion time = 49 +6=55 weeks. (Ans)